

What is claimed is:

1. A method of repairing a pipeline comprising the steps of:

forming a tubular assembly in a pipe, said tubular assembly having an outer diameter smaller than an inner diameter of said pipe;

filling a grout material in a clearance between said tubular assembly and an inner wall of said pipe;

disposing a tubular expansible and contractile pressure bag within the clearance between said tubular assembly and the inner wall of said pipe in a longitudinal direction of said pipe;

filling said pressure bag with a fluid to expand said pressure bag; and

supporting said tubular assembly by said expanded pressure bag.

2. A method according to claim 1, wherein said step of disposing a tubular expansible and contractile pressure bag in the longitudinal direction of said pipe includes attaching said pressure bag to hook-and-loop fasteners adhered on the inner wall of said pipe.

3. A method according to claim 1, wherein said step of filling said pressure bag with a fluid includes filling said pressure bag with compressed water at a predetermined pressure.

4. A method according to claim 2, wherein said step of filling said pressure bag with a fluid includes filling said pressure bag with compressed water at a predetermined pressure.

5. A method according to claim 1, further comprising the steps of:

discharging the fluid filled in said pressure bag after the grout material filled in the clearance between said tubular assembly and the inner wall of said pipe is hardened; and

filling said pressure bag with a grout material and hardening the grout material.

6. A method according to claim 2, further comprising the steps of:

discharging the fluid filled in said pressure bag after the grout material filled in the clearance between said tubular assembly and the inner wall of said pipe is hardened; and

filling said pressure bag with a grout material and hardening the grout material.

7. A method according to claim 3, further comprising the steps of:

discharging the fluid filled in said pressure bag after the grout material filled in the clearance between said tubular assembly and the inner wall of said pipe is hardened; and

filling said pressure bag with a grout material and hardening the grout material.

8. A method according to claim 4, further comprising the steps of:

discharging the fluid filled in said pressure bag after the grout material filled in the clearance between said tubular assembly and the inner wall of said pipe is hardened; and

filling said pressure bag with a grout material and hardening the grout material.

9. A method according to claim 1, further comprising the step of:

introducing a triangular support into said tubular assembly for supporting said tubular assembly at three points on an inner surface of said tubular assembly by said triangular support.

10. A method according to claim 5, wherein said tubular assembly is supported at a peak, a left-hand side location, and a right-hand side location on the inner surface thereof.

11. A method according to claim 1, wherein said step of filling a grout material includes alternately injecting a portion of the grout material and stopping the injection until the portion of the grout material is hardened a plurality of times.